

In the Claims:

Please amend the claims as follows:

1. (currently amended) A method for manufacturing cellulose carbamate, in which method an auxiliary agent and urea are absorbed into cellulose, and a reaction between cellulose and urea is carried out in a mixture containing cellulose, a liquid, the auxiliary agent, and urea, ~~characterized in that~~ wherein the liquid content in the mixture is less than 40 %, ~~advantageously less than 30 %, preferably less than 25 %, and most preferably less than 22%.~~

2. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the auxiliary agent is an alkalizing agent, ~~such as sodium hydroxide.~~

3. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the auxiliary agent is hydrogen peroxide.

4. (currently amended) The method according to ~~any of the preceding claims 1 to 3,~~ claim 1, wherein the absorption of the auxiliary agent and urea up to the core of the cellulose ~~fibre~~ fiber is enhanced and/or the reaction between cellulose and urea is performed at least partly by subjecting the mixture to mechanical working, ~~preferably in such a way that the components of the mixture are subjected to working repeatedly.~~

5. (currently amended) The method according to claim 4, ~~characterized in that~~ wherein

the mixture is subjected to the working between two surfaces moving in relation to each other.

6. (currently amended) The method according to claim 5, ~~characterized in that~~ wherein in the working, the mixture is pressed through openings in one of the surfaces, ~~for example by performing the working in a sieve press (1).~~

7. (currently amended) The method according to claim 5, ~~characterized in that~~ wherein the working is performed by running the mixture through a nip formed by two rolls ~~(7, 8).~~

8. (currently amended) The method according to claim 7, ~~characterized in that~~ wherein the surface of at least one of the rolls is provided with a grooving.

9. (currently amended) The method according to ~~any of the preceding claims 5 to 8,~~ ~~characterized in that~~ claim 5, wherein the same mixture is recirculated several times between the two surfaces moving in relation to each other.

10. (currently amended) The method according to ~~any of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein more than 50 %, ~~advantageously more than 70 %, preferably more than 90 %, and most preferably~~ all of the liquid is water.

11. (currently amended) The method according to ~~any of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein the auxiliary agent and an aqueous solution of urea, and possibly dry, powdery urea, are premixed into cellulose in such a way that the liquid substances

are added in atomized form.

12. (currently amended) The method according to claim 11, ~~characterized in that~~  
wherein the premixing is performed in a fluidized bed mixer.

13. (currently amended) The method according to ~~any of the preceding claims,~~  
~~characterized in that~~ claim 1, wherein the processing time is less than 30 min, ~~advantageously~~  
~~less than 20 min, preferably less than 15 min, and most preferably less than 10 min.~~

14. (currently amended) The method according to ~~any of the preceding claims,~~  
~~characterized in that~~ claim 1, wherein the cellulose is wood cellulose or dissolving pulp or cotton  
linters.

15. (currently amended) The method according to ~~any of the preceding claims,~~  
~~characterized in that~~ claim 1, wherein the cellulose is finely ground to a grain size of  $< 2$  mm,  
~~preferably less than 1 mm and most preferably less than 0.7 mm.~~

16. (currently amended) The method according to ~~any of the preceding claims,~~  
~~characterized in that~~ claim 1, wherein during the working, the temperature of the mixture is  
adjusted by the circulation of an external heating or cooling medium.

17. (new) The method according to claim 1, wherein the liquid content in the mixture is  
less than 30 %.

18. (new) The method according to claim 1, wherein the liquid content in the mixture is less than 25 %.

19. (new) The method according to claim 1, wherein the liquid content in the mixture is less than 22 %.

20. (new) The method according to claim 2, wherein the alkalizing agent is sodium hydroxide.

21. (new) The method according to claim 4, wherein the mixture is subjected to a mechanical working in such a way that the components of the mixture are subjected to working repeatedly.

22. (new) The method according to claim 6, wherein the working is performed in a sieve press.

23. (new) The method according to claim 10, more than 70 % of the liquid is water.

24. (new) The method according to claim 10, wherein more than 90 % of the liquid is water.

25. (new) The method according to claim 10, wherein all of the liquid is water.

26. (new) The method according to claim 13, wherein the processing time is less than 20 min.

27. (new) The method according to claim 13, wherein the processing time is less than 15 min.

28. (new) The method according to claim 13, wherein the processing time is less than 10 min.

29. (new) The method according to claim 15, wherein the cellulose is ground to a grain size of less than 1 mm.

30. (new) The method according to claim 15, wherein the cellulose is ground to a grain size of less than 0.7 mm.